

Abstract

Thermoplastic polymeric materials with high IR absorption are described, containing at least one inorganic metal phosphate of the general formula $Me_x(PO_4)_y(OH)_z$, wherein Me consists of one or more elements from the 5 group Cu, Fe, Mn, Sb, Zn, Ti, Ni, Co, V, Mg, Bi, Be, Al, Ce, Ba, Sr, Na, K, Ge, Ga, Ca, Cr, In or Sn, and wherein x and y are whole numbers and x = (1 ... 18), y = (1 ... 12) and z = (0.2 ... 10), and the inorganic metal phosphate may optionally also contain water of crystallisation.

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